

Sheet 1 of 4

Form PTO-1449
(modified 2/91)U.S. DEPT. OF COMMERCE
Patent and Trademark OfficeAttorney Docket Number:
012560.0156Serial No.:
09/529,849

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Truong Q. NGUYEN et al

April 19, 2000

Group art area:

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TC 2700 MAIL ROOM

U.S. PATENT DOCUMENTS

Examiner Initial	Patent number	Date	Name	Class	Filing date if appropriate
VL	4,255,763	03/10/81	Maxemchuck et al.		
	4,394,774	07/19/83	Widergren et al.		
	4,447,886	05/08/84	Meeker		
	4,691,329	09/01/87	Juri et al		
	4,751,742	06/14/88	Meeker		
	4,797,944	01/10/89	Tanaka		
	4,815,078	03/21/89	Shimura		
	4,825,285	04/25/89	Speidel et al.		
	4,829,378	05/09/89	LeGall		
	4,868,764	09/19/89	Richards		
	4,876,610	10/24/89	Ohsawa et al.		
	4,903,317	02/20/90	Nishihara et al.		
	5,025,482	06/18/91	Murakami et al.		
	5,051,840	09/24/91	Watanabe et al.		
	5,081,450	01/14/92	Lucas et al		
	5,086,488	02/04/92	Kato et al.		
VL	5,091,782	02/25/92	Krause et al.		

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

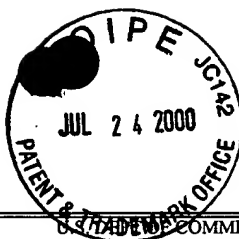
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VL	5,101,446	03/31/92	Resnikoff et al.		
	5,109,451	04/28/92	Aono et al.		
	5,121,202	06/09/92	Tanoi		
	5,148,498	09/15/92	Resnikoff et al.		
	5,214,507	05/25/93	Aravind et al.		
	5,216,719	06/01/93	Oh		
	5,220,422	06/15/93	Oh		
	5,226,093	07/06/93	Iwase		
	5,245,678	09/14/93	Eschbach et al.		
	5,245,679	09/14/93	Rosenberg		
	5,265,180	11/23/93	Golin		
	5,282,256	01/25/94	Ohsawa et al.		
	5,295,201	03/15/94	Yokohama		
	5,295,203	03/15/94	Krause et al.		
	5,301,242	04/05/94	Gonzales et al.		
	5,305,400	04/19/94	Butera		
VL	5,321,776	06/14/94	Shapiro		

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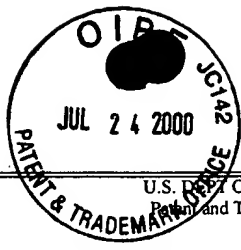
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U.S. PATENT DOCUMENTS

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VL	5,327,502	07/05/94	Katata et al.		
	5,369,439	11/29/94	Matsuda et al.		
	5,384,725	01/24/95	Coifman et al.		
	5,410,350	04/25/95	Kato et al.		
	5,414,780	05/09/95	Carnahan		
	5,422,964	06/06/95	Devimeux et al.		
	5,426,512	06/20/95	Watson		
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	5,428,567	06/27/95	Horvath et al.		
	5,432,556	07/11/95	Hatano et al.		
	5,438,635	08/01/95	Richards		
	5,440,344	08/08/95	Asamura et al.		
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	5,467,201	11/14/95	Fan		
	5,481,553	01/02/96	Suzuki et al.		
	5,487,119	01/23/96	Kimura et al.		
VL	5,489,942	02/06/96	Kawahara		

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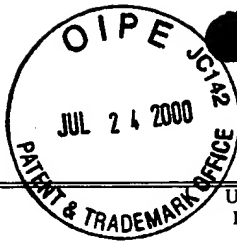
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TC 2700 MAIL ROOM**U.S. PATENT DOCUMENTS**

Examiner Initial	Patent number	Date	Name	Class	Filing date if appropriate
VL	5,506,916	04/09/96	Nishihara et al.		
	5,509,089	04/16/96	Ghoshal		
	5,517,327	05/14/96	Nakatani et al.		
	5,517,581	05/14/96	Johnston et al.		
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	5,526,299	06/11/96	Coifman et al.		
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	5,553,164	09/03/96	Itagaki		
	5,565,920	10/15/96	Lee et al.		
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FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

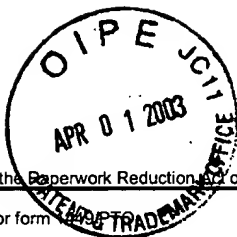
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Substitute for form PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number 09/529,849

Filing Date April 19, 2000

First Named Inventor NGUYEN

Art Unit 2613

Examiner Name Young LEE

Attorney Docket Number 012560.0156

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OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
VL	1	NGAN K N ET AL: "VERY LOW BIT RATE VIDEO CODING USING 3D SUBBAND APPROACH" IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, IEEE INC. NEW YORK, US. -- vol. 4, no. 3, 1 June 1994 (1994-06-01), pages 309-316, XPOOO450762	
	2	YOON S H ET AL: "A SCALABLE WAVELET VIDEO CODER FOR HYBRID COMMUNICATION CHANNELS" CONFERENCE RECORD OF THE 31ST ASILOMAR CONFERENCE ON SIGNALS, SYSTEMS & COMPUTERS. PACIFIC GROVE, CA., NOV. 2-5, 1997, ASILOMAR CONFERENCE ON SIGNALS, SYSTEMS AND COMPUTERS, LOS ALAMITOS, CA. -- IEEE, US. vol. 1, 2 November 1997 (1997-11-02), pages 382-386, XPOOO883963	
	3	MARTUCCI S A ET AL: "A ZEROTREE WAVELET VIDEO CODER" IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, IEEE INC. NEW YORK, US -- vol. 7, no. 1, 1 February 1997 (1997-02-01), pages 109-118, XP000678884	
	4	YANG X ET AL: "HIERACHICAL BACKWARD MOTION COMPENSATION FOR WAVELET VIDEO CODING USING OPTIMIZED INTERPOLATION FILTERS" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP 1997. SANTA BARBARA, CA, OCT. 26-29, 1997, LOS ALMITOS, CA: IEEE, US, -- vol. 1, 26 October 1997 (1997-10-26), pages 85-88, XPOOO792722	
	5	SONG M ET AL: "MOTION ESTIMATION IN DCT DOMAIN" 1996 IEEE INTERNATIONAL CONFERENCE ON COMMUNICATINS (ICC). CONVERGING TECHNOLOGIES FOR TOMORROW'S APPLICATIONS. DALLAS, JUNE 23-27, 1996, IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS (ICC), NEW YORK, IEEE, US, -- vol. 3, 1996, pages 670-674, XPOOO910243	
	6	SCOTTON P ET AL: "A LOW COMPLEXITY VIDEO SUBBAND CODER FOR ATM" SIGNAL PROCESSING. IMAGE COMMUNICATION. ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 6, no. 5, 1 October 1994 (1994-10-01), pages 421-433, XP000466025	
	7	UHA: "Digital image compression based on non-stationary and inhomogeneous multiresolution analyses" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP) AUSTIN, NOV. 13-16, 1994, LOS ALAMITOS, IEEE COMP. SOC. PRESS, US, vol. 3 CONF. 1, 13 November 1994 (1994-11-13), pages 378-382, XP010146399	
	8	TAN T K ET AL: "A FREQUENCY SCALABLE CODING SCHEME EMPLOYING PYRAMID AND SUBBAND TECHNIQUES" IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, IEEE INC. NEW YORK, US -- vol. 4, no. 2, 1 April 1994 (1994-04-01), pages 203-207, XPOOO 489693	
VL	9	JIN TAE KIM ET AL: "SUBBAND CODING USING HUMAN VISUAL CHARACTERISTICS FOR IMAGE SIGNALS" IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, IEEE INC. NEW YORK, US, -- vol. 11, no. 1, 1993, pages 59-64, XPOOO377997	

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